

FIG. 1

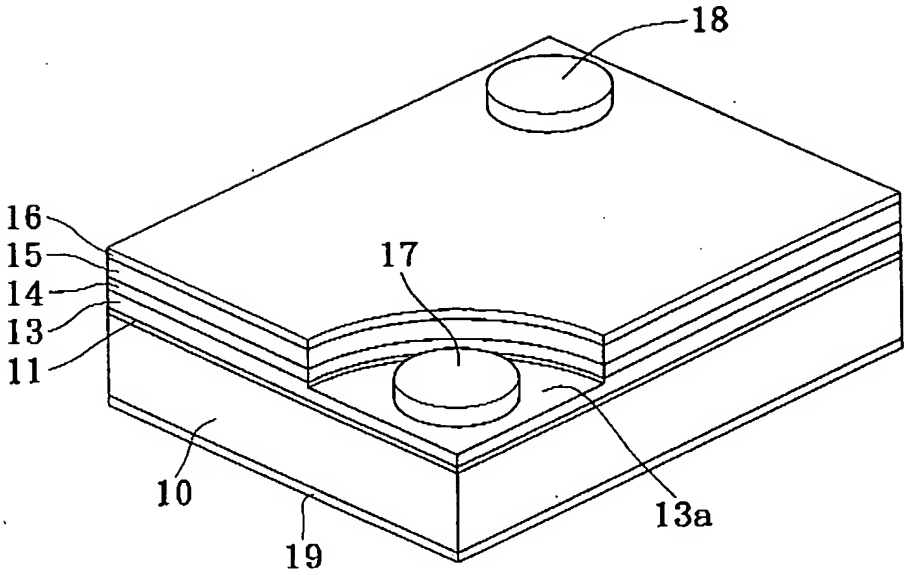


FIG. 2

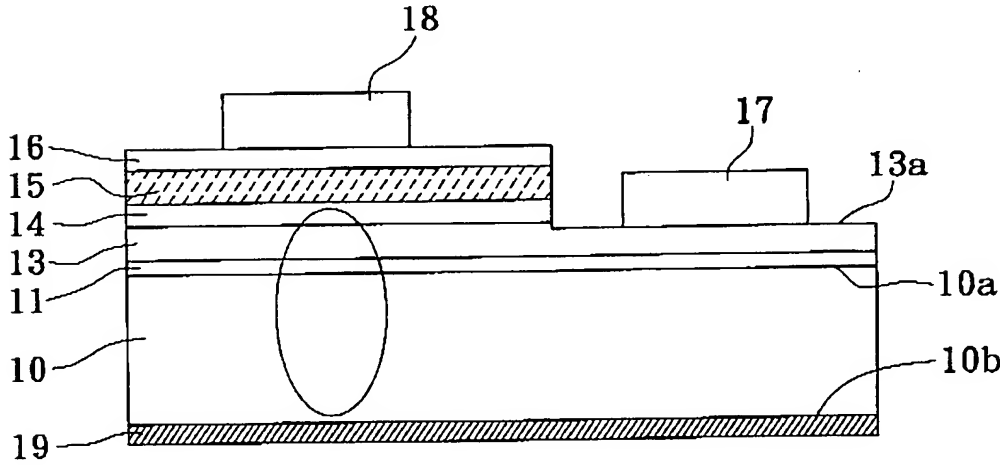


FIG. 2A

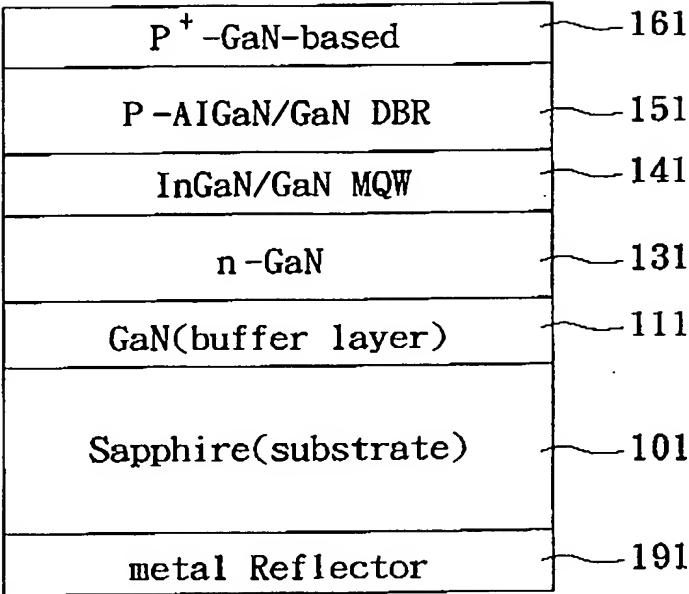


FIG. 3

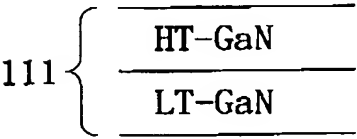


FIG. 3A

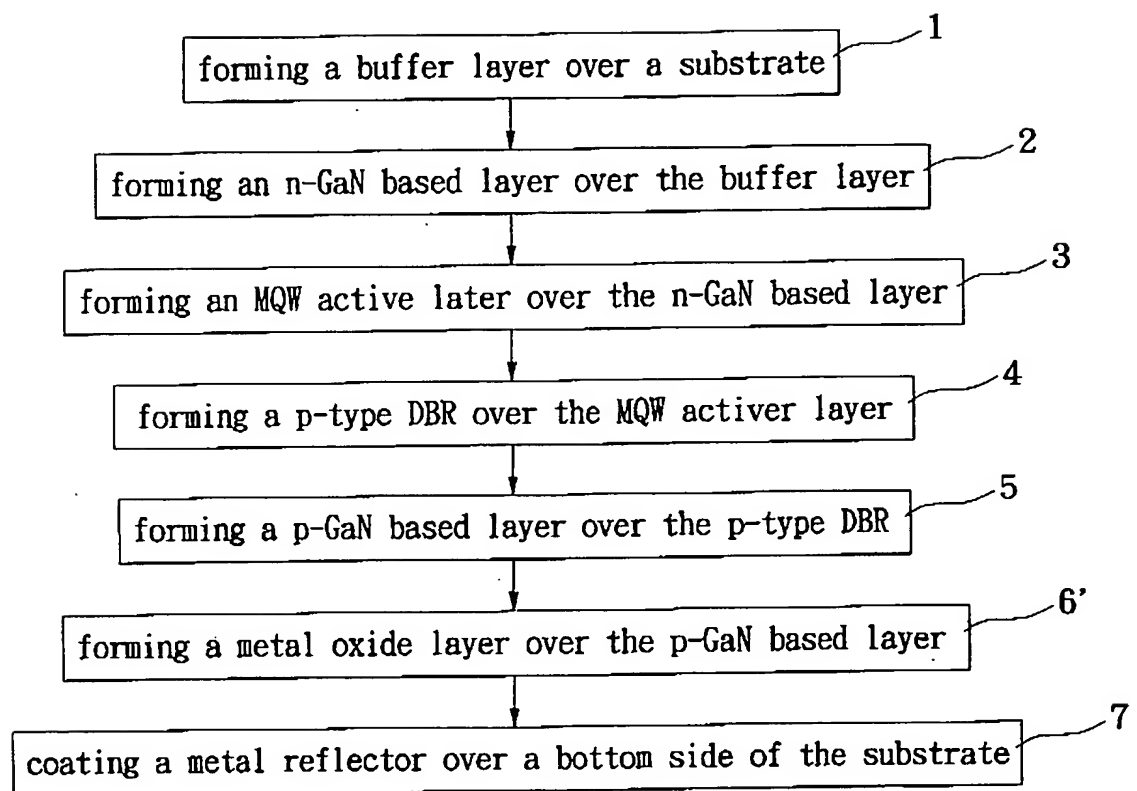


FIG. 4

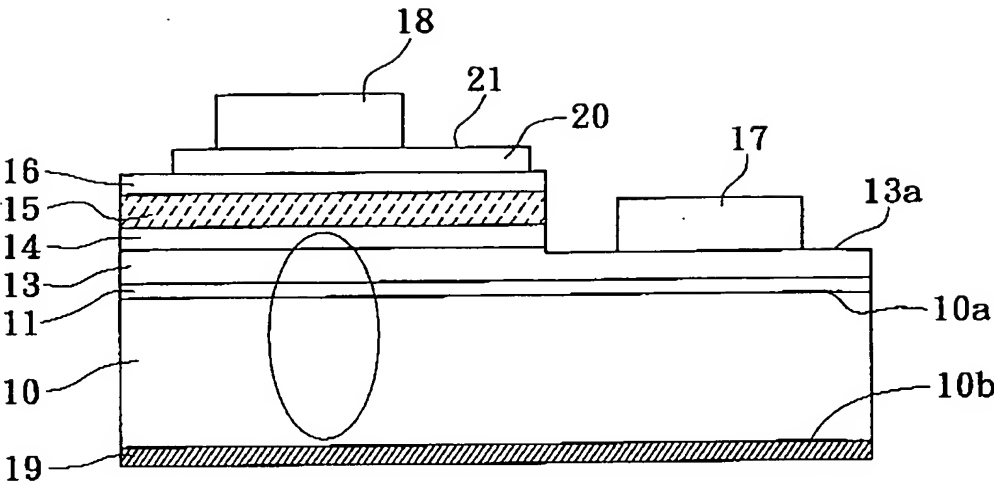


FIG. 5

Au/Ni	201
P <sup>+</sup> -GaN-based	161
P-AlGaN/GaN DBR	151
InGaN/GaN MQW	141
n-GaN	131
GaN(buffer layer)	111
Sapphire(substrate)	101
metal Reflector	191

FIG. 6

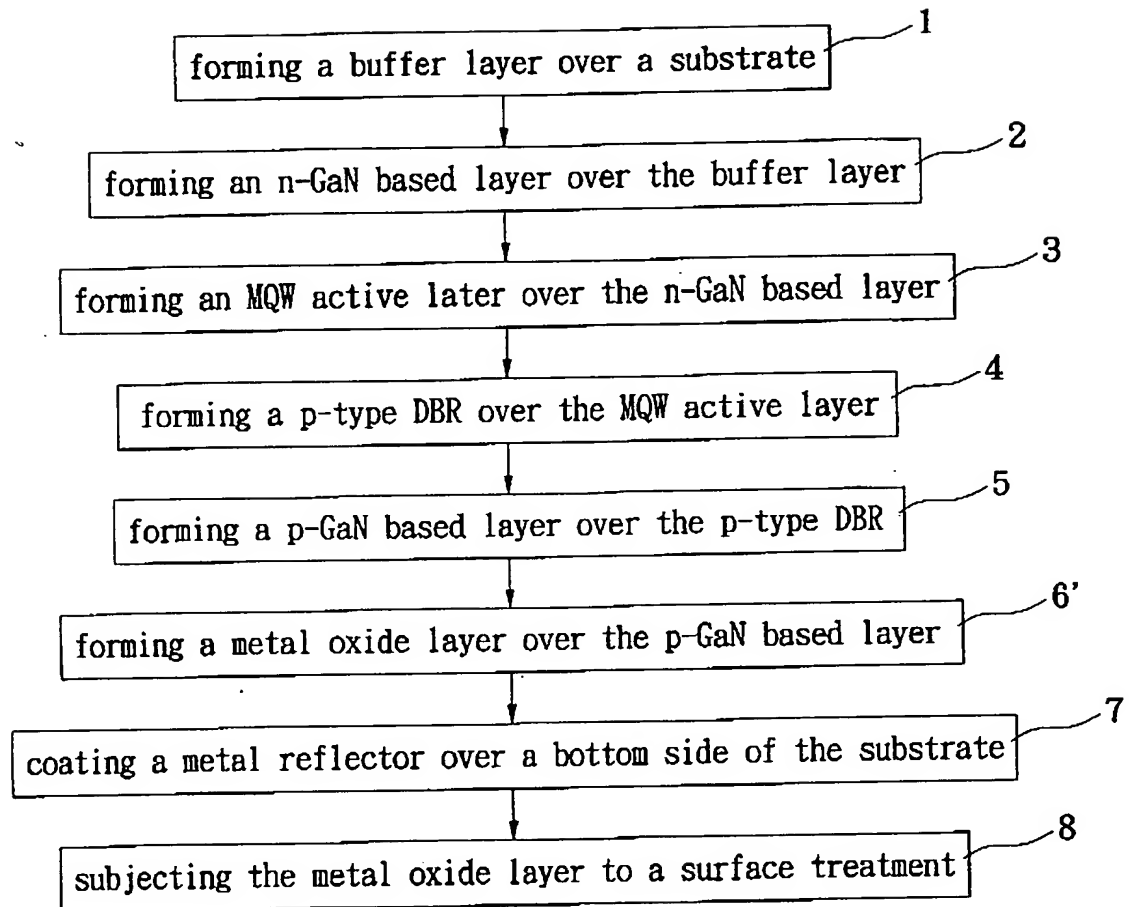


FIG. 7

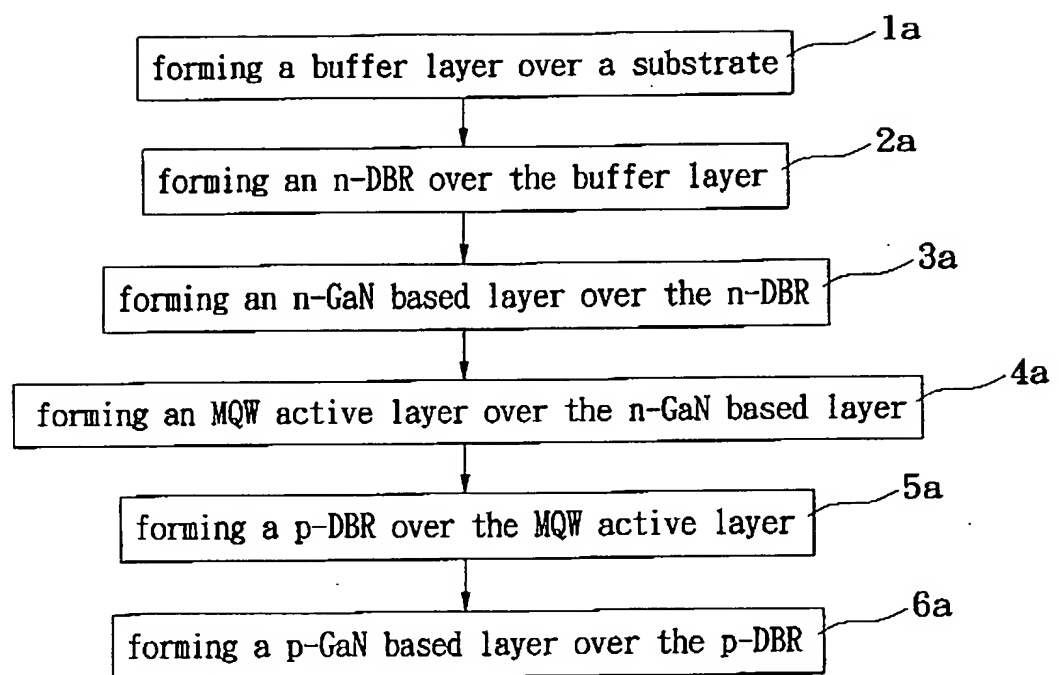


FIG. 8

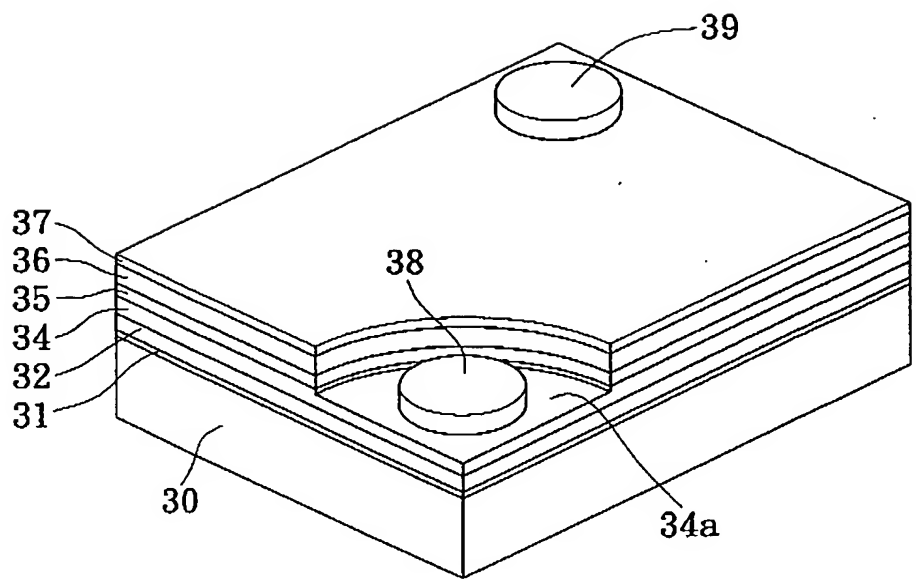


FIG. 9

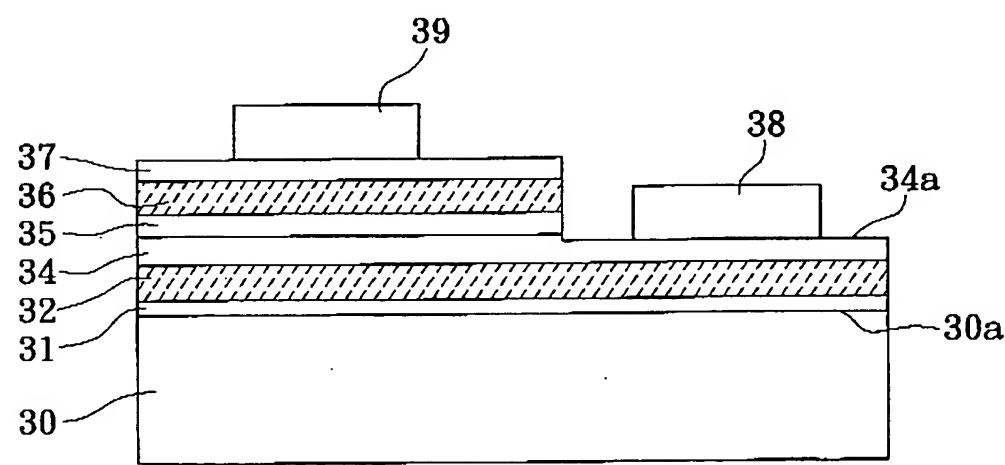


FIG. 9A



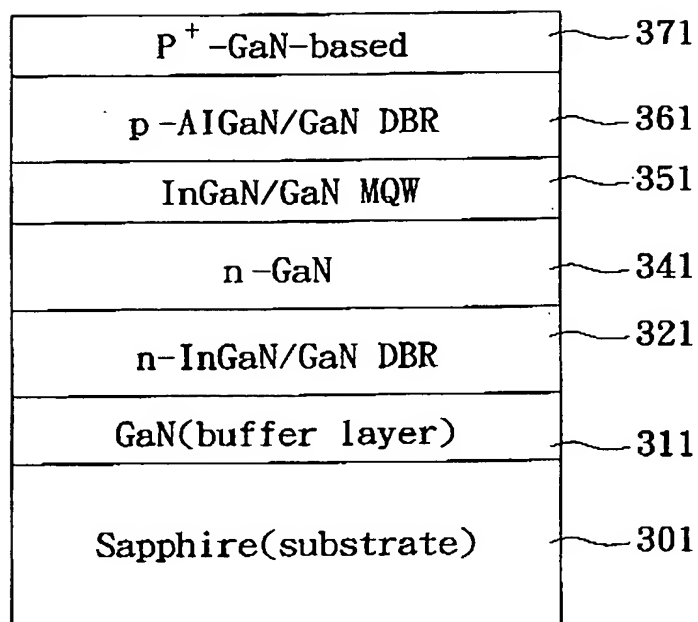


FIG. 10

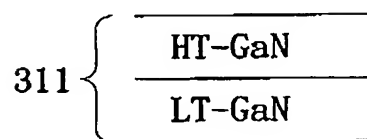


FIG. 10A

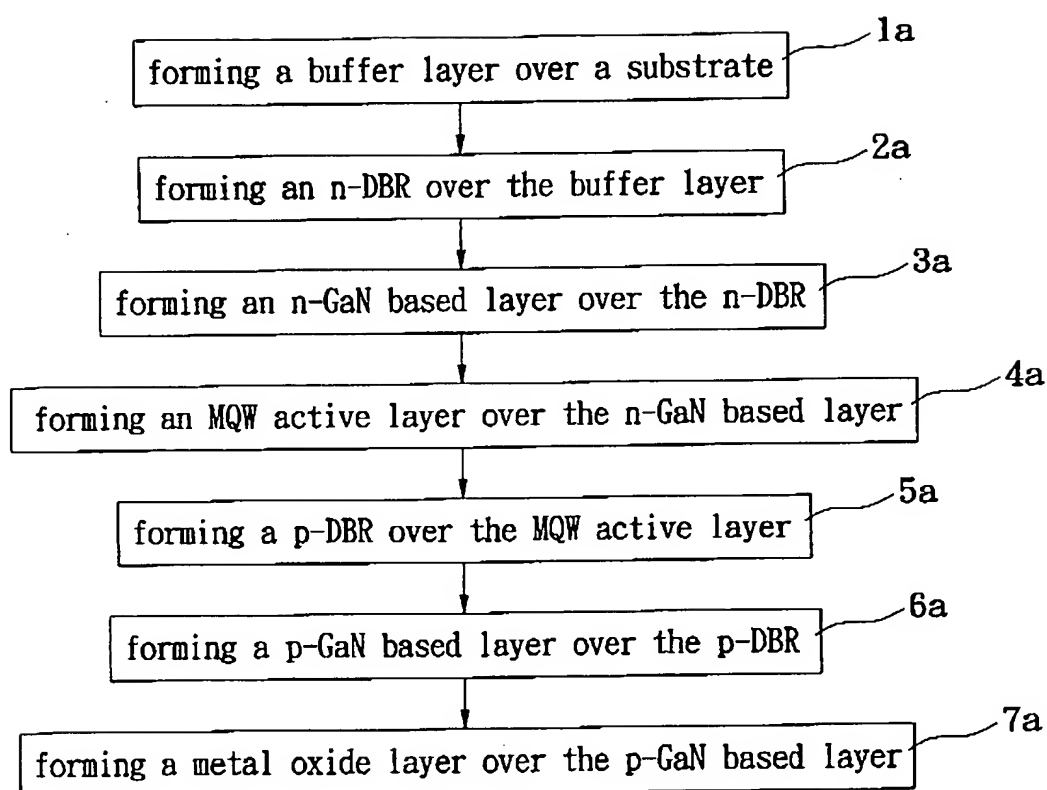


FIG. 11

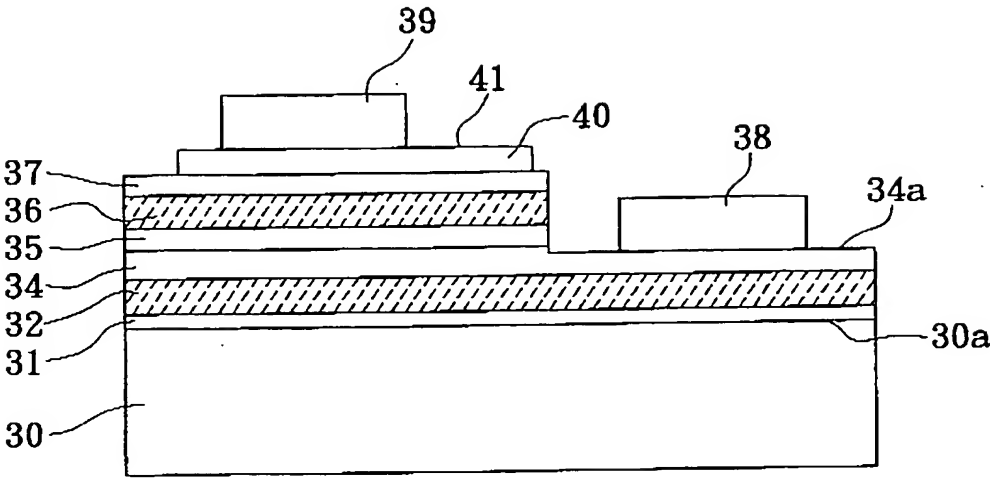


FIG. 12

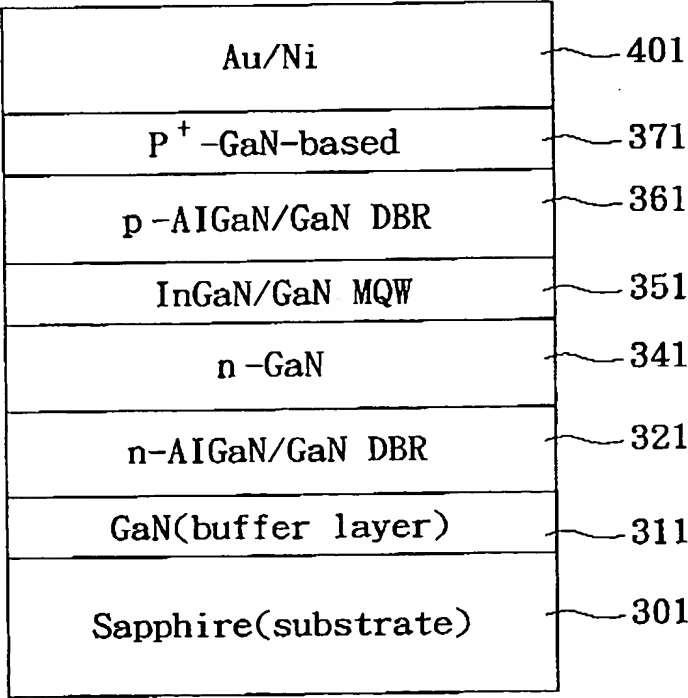


FIG. 13

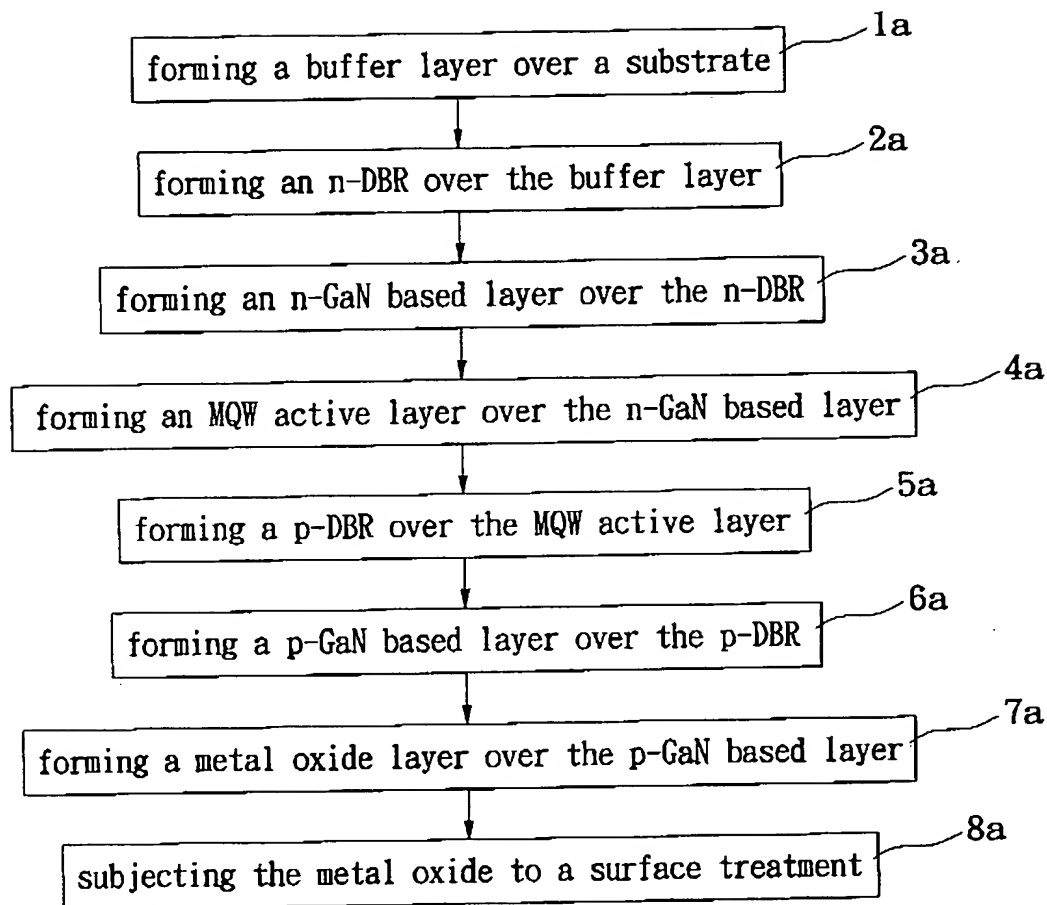


FIG. 14